

FIG. 1

## ENVIRONMENTAL LOAD EVALUATION SUPPORT APPARATUS 1

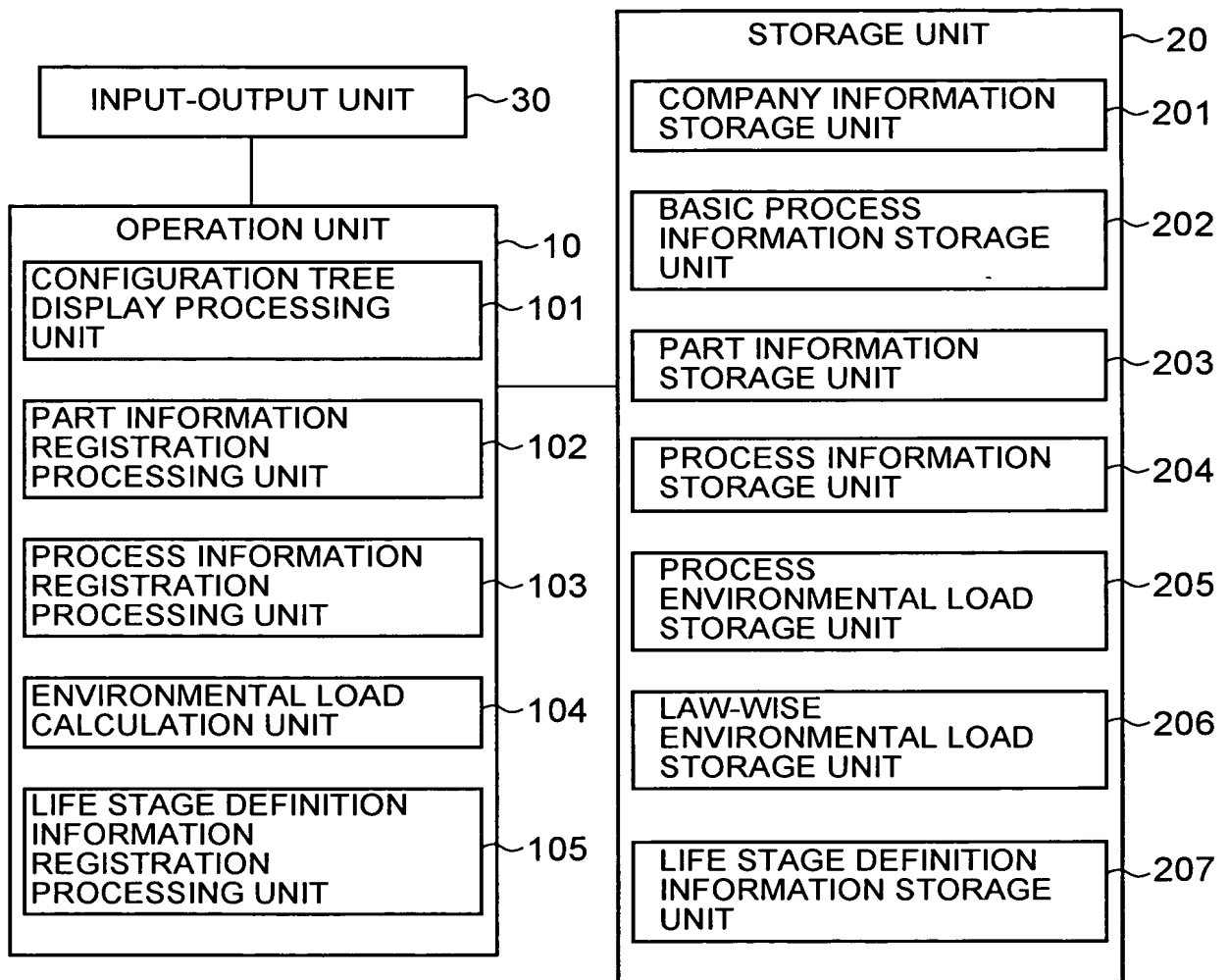


FIG. 2

(A) COMPANY NUMBER MANAGEMENT TABLE 2011

20111 COMPANY NUMBER	20112 COMPANY NAME
CO-A-0001	END PRODUCT MAKER A
CO-A-0002	END PRODUCT MAKER B
CO-B-0001	PRIMARY SUPPLIER M
CO-B-0002	PRIMARY SUPPLIER N
CO-B-0003	PRIMARY SUPPLIER L
CO-C-0001	SECONDARY SUPPLIER X
CO-C-0002	SECONDARY SUPPLIER Y

(B) SUPPLY RELATION MANAGEMENT TABLE 2012

20121 COMPANY NUMBER	20122 SUPPLY COMPANY NUMBER
CO-A-0001	CO-B-0001
CO-A-0001	CO-B-0002
CO-A-0002	CO-B-0002
CO-A-0002	CO-B-0003
CO-B-0001	CO-C-0001
CO-B-0002	CO-C-0002
CO-B-0003	CO-C-0002

(C) COMPANY SUPPLY RELATION TREE

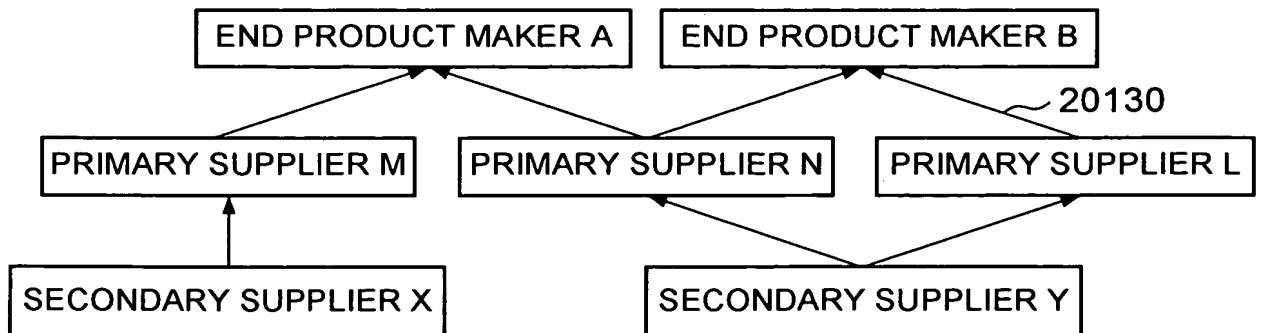
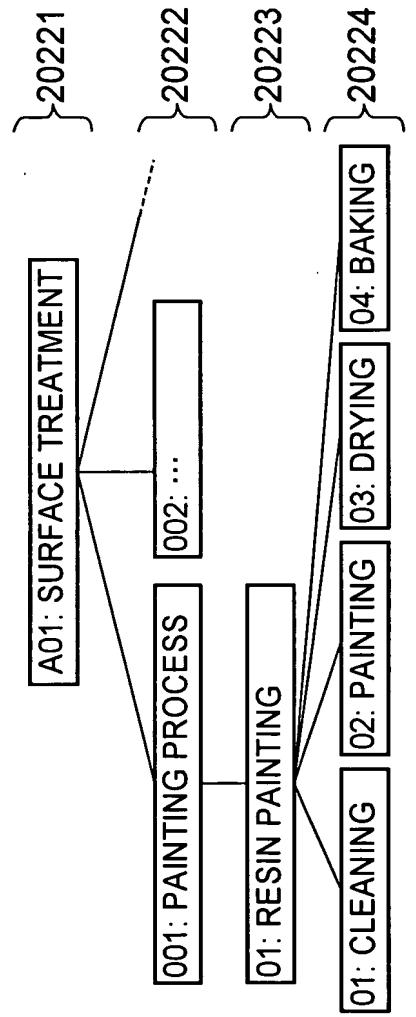


FIG. 3

(A) BASIC PROCESS INFORMATION MANAGEMENT TABLE 2021

20211	20212	20213	20214	20215	20216	20217
LARGE CLASSIFICATION NUMBER	MIDDLE CLASSIFICATION NUMBER	SMALL CLASSIFICATION NUMBER	MINIMUM UNIT NUMBER	PROCESS NAME	LCA CALCULATION FORMULA	LCA PARAMETER ITEM
A01	000	00	00	SURFACE TREATMENT	*****	NON-EXISTENT
A01	001	00	00	PAINTING PROCESS	*****	NON-EXISTENT
A01	001	01	00	RESIN PAINTING	*****	b(mm <sup>2</sup> )
A01	001	01	01	CLEANING	*****	NON-EXISTENT
A01	001	01	02	PAINTING	*****	NON-EXISTENT
A01	001	01	03	DRYING	*****	NON-EXISTENT
A01	001	01	04	BAKING	*****	NON-EXISTENT
:	:	:	:	:	:	:
:	:	:	:	:	:	:

(B) BASIC PROCESS TREE



# FIG. 4

(A) PART NUMBER MANAGEMENT TABLE 2031

20311		20312	20313	20314
COMPANY NUMBER	PART/MATERIAL NUMBER	PART/MATERIAL NAME	TYPE	
CO-A-0001	AA-8S-C001	FULLY AUTOMATIC WASHING MACHINE	PART	
CO-B-0001	AA-8S2-B017	UPPER LID UNIT ASSEMBLY	PART	
CO-B-0001	AA-8S2-A017	FRONT PANEL ASSEMBLY	PART	
CO-C-0001	AA-8S2-024	SCREW CAP	PART	
CO-C-0001	M01-001	PP	MATERIAL	
CO-A-0001	AA-8S-B001	MAIN BODY UNIT ASSEMBLY	PART	
⋮	⋮	⋮	⋮	⋮

(B) PART CONFIGURATION MANAGEMENT TABLE 2032

20321		20322	20323	20324	20325
PARENT PART COMPANY NUMBER	CHILD PART/MATERIAL COMPANY NUMBER	PARENT PART MATERIAL NUMBER	CHILD PART/MATERIAL PART/MATERIAL NUMBER	QUANTITY	
CO-A-0001	CO-B-0001	AA-8S-C001	AA-8S2-B017	1	
CO-A-0001	CO-A-0001	AA-8S-C001	AA-8S-B001	1	
CO-B-0001	CO-B-0001	AA-8S-B017	AA-8S2-A017	1	
CO-B-0001	CO-C-0001	AA-8S-A017	AA-8S2-024	4	
CO-C-0001	CO-C-0001	AA-8S-024	M01-0001	0.4kg	
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 5

(A) PROCESS NUMBER MANAGEMENT TABLE 2041

20411	20412	20413	20414	20415
COMPANY NUMBER	PROCESS NUMBER	PROCESS NAME	DISCLOSURE LEVEL	BASIC PROCESS NUMBER (LARGE CLASSIFICATION + MIDDLE CLASSIFICATION + SMALL CLASSIFICATION + MINIMUM UNIT)
CO-A-0001	P01-0023	FULLY AUTOMATIC WASHING MACHINE	1	A020000000
CO-B-0001	P01-0054	PART TRANSPORT	2	A020010100
CO-C-0001	P01-0020	RESIN PAINTING	2	A010010100
CO-C-0001	P01-0010	PP INJECTION MOLDING	3	A010010200
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

(B) PROCESS TYING MANAGEMENT TABLE 2042

20421	20422	20423	20425
COMPANY NUMBER	TIED PART PART/MATERIAL NUMBER	PROCESS NUMBER	LCA PARAMETER
CO-A-0001	AA-8S-C001	P01-0023	NON-EXISTENT
CO-B-0001	AA-8S2-A017	P01-0054	NON-EXISTENT
CO-C-0001	AA-8S2-024	P01-0020	NON-EXISTENT
CO-C-0001	AA-8S2-024	P01-0010	NON-EXISTENT
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

# FIG. 6

(A) ENVIRONMENTAL LOAD ITEM MANAGEMENT TABLE 2051

20511		20512		20513	20514
BASIC PROCESS NUMBER (LARGE CLASSIFICATION + MIDDLE CLASSIFICATION + SMALL CLASSIFICATION + MINIMUM UNIT)		ENVIRONMENTAL LOAD ITEM	UNIT	INPUT/DISCHARGE CLASSIFICATION	
A010010100		WATER	kg	INPUT	
A010010100		ELECTRIC POWER	kW	INPUT	
A010010100		LPG	kg	INPUT	
A010010100		CO <sub>2</sub>	kg	DISCHARGE	
A010010100		NO <sub>x</sub>	kg	DISCHARGE	
A010010100		SO <sub>x</sub>	kg	DISCHARGE	
:	:	:	:	:	
:	:	:	:	:	

(B) ENVIRONMENTAL LOAD MANAGEMENT TABLE 2052

20521		20522	20523	20524	20525
COMPANY NUMBER	PROCESS NUMBER	ENVIRONMENTAL LOAD ITEM	QUANTITY	INPUT/DISCHARGE CLASSIFICATION	
CO-C-0001	P01-0020	WATER	15	INPUT	
CO-C-0001	P01-0020	ELECTRIC POWER	10	INPUT	
CO-C-0001	P01-0020	LPG	0	INPUT	
CO-C-0001	P01-0020	CO <sub>2</sub>	6.2	DISCHARGE	
CO-C-0001	P01-0020	NO <sub>x</sub>	1.75	DISCHARGE	
CO-C-0001	P01-0020	SO <sub>x</sub>	0.5	DISCHARGE	
:	:	:	:	:	
:	:	:	:	:	

FIG. 7

LAW-WISE ENVIRONMENTAL LOAD MANAGEMENT TABLE 2061

20611	20612	20613	20614	20615	20616	20617
COMPANY NUMBER	APPLICABLE LAW/ REGULATION	OBJECT PART/ MATERIAL NUMBER	LIFE STAGE NUMBER	ENVIRONMENTAL LOAD ITEM	INPUT/DISCHARGE CLASSIFICATION	QUANTITY
CO-A-0001	EuP	AA-8S2-B017	001	CRUDE OIL	INPUT	1kg
CO-A-0001	EuP	AA-8S2-B017	001	CO <sub>2</sub>	DISCHARGE	1kg
CO-A-0001	EuP	AA-8S2-B017	001	NO <sub>x</sub>	DISCHARGE	1kg
CO-A-0001	EuP	AA-8S2-B017	002	CO <sub>2</sub>	DISCHARGE	1.5kg
CO-A-0001	EuP	AA-8S2-B017	003	CO <sub>2</sub>	DISCHARGE	0.7kg
CO-A-0001	EuP	AA-8S2-B017	004	CO <sub>2</sub>	DISCHARGE	1kg
:	:	:	:	:	:	:
:	:	:	:	:	:	:

FIG. 8

(A) STAGE NUMBER MANAGEMENT TABLE 2071

20711                      20712                      20713

APPLICABLE LAW/ REGULATION	STAGE NAME	LIFE STAGE NUMBER
EuP	MATERIAL PRODUCTION	001
EuP	MATERIAL PROCESSING	002
EuP	PART PROCESSING	003
EuP	PART PRODUCTION	004
⋮	⋮	⋮
⋮	⋮	⋮

(B) STAGE DEFINITION INFORMATION MANAGEMENT TABLE 2072

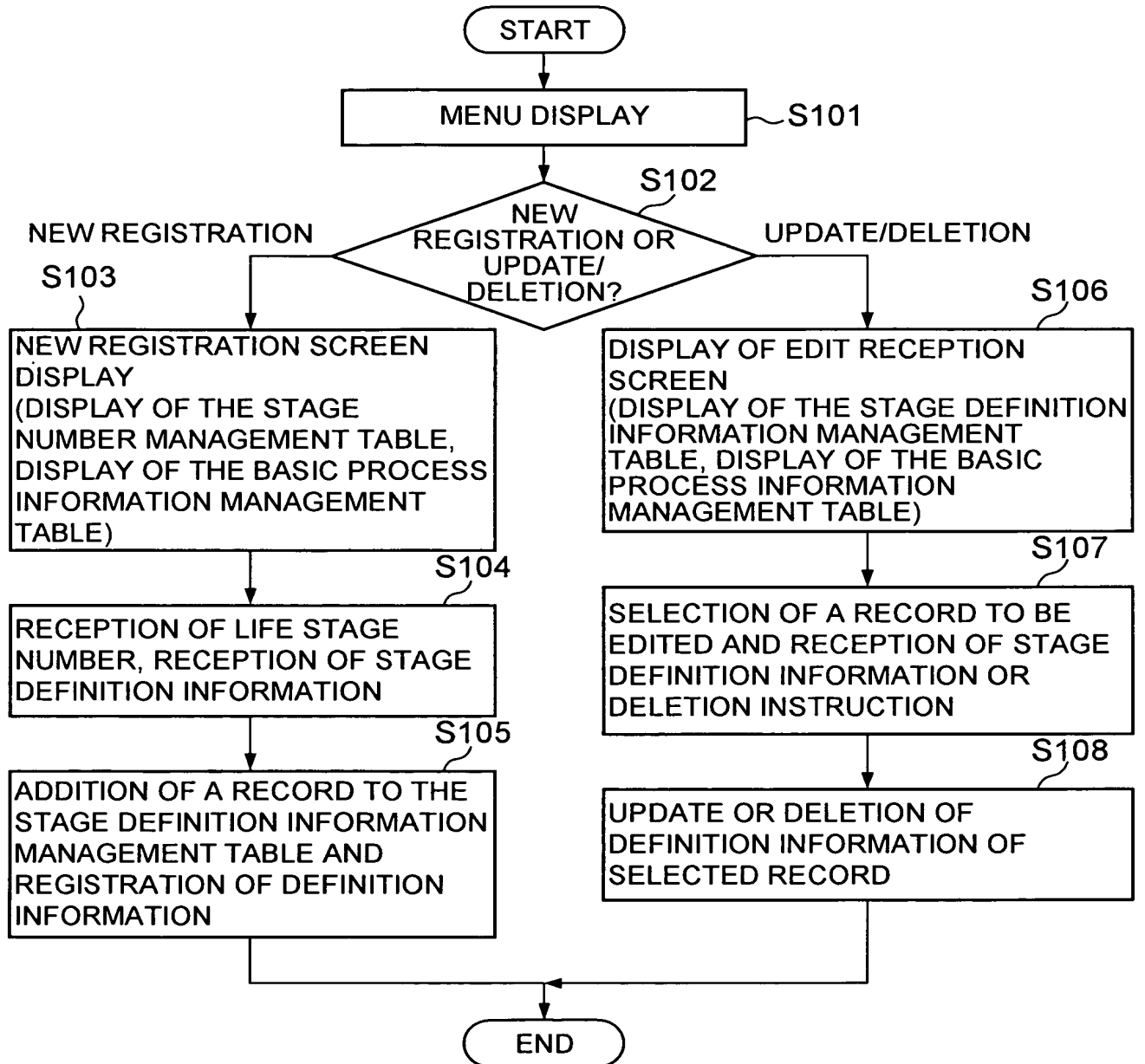
20721                      20722                      20723                      20724

COMPANY NUMBER	APPLICABLE LAW/ REGULATION	LIFE STAGE NUMBER	STAGE DEFINITION INFORMATION
CO-A-0001	EuP	003	A010010100
CO-A-0002	EuP	003	A010010100-A010010101-A010010102
CO-A-0003	EuP	003	A010010101+A0100102+A010010103
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮



FIG. 9

## STAGE DEFINITION INFORMATION REGISTRATION PROCESSING



## FIG. 10

## PART CONFIGURATION TREE DISPLAY PROCESSING

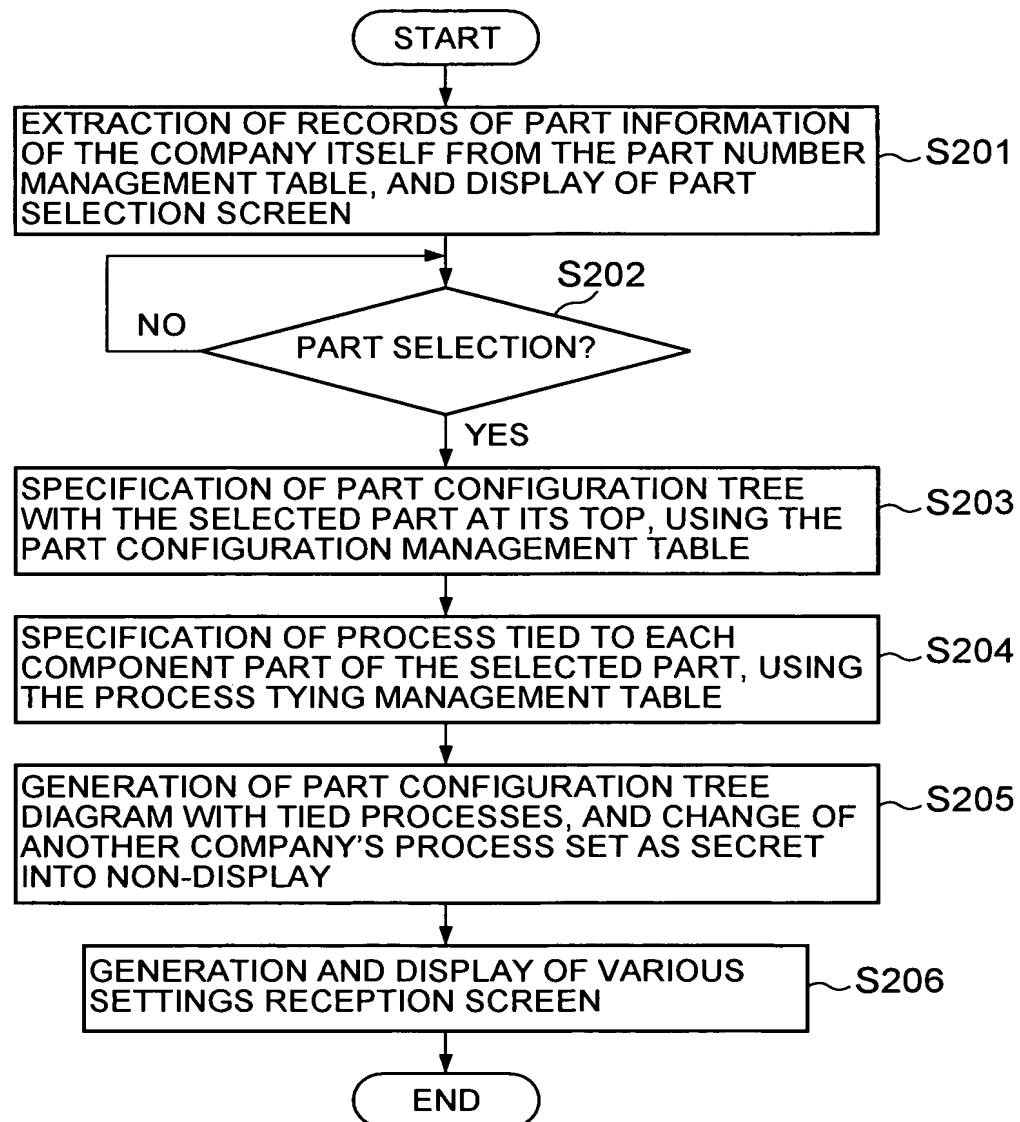




FIG. 12

## PART INFORMATION REGISTRATION PROCESSING

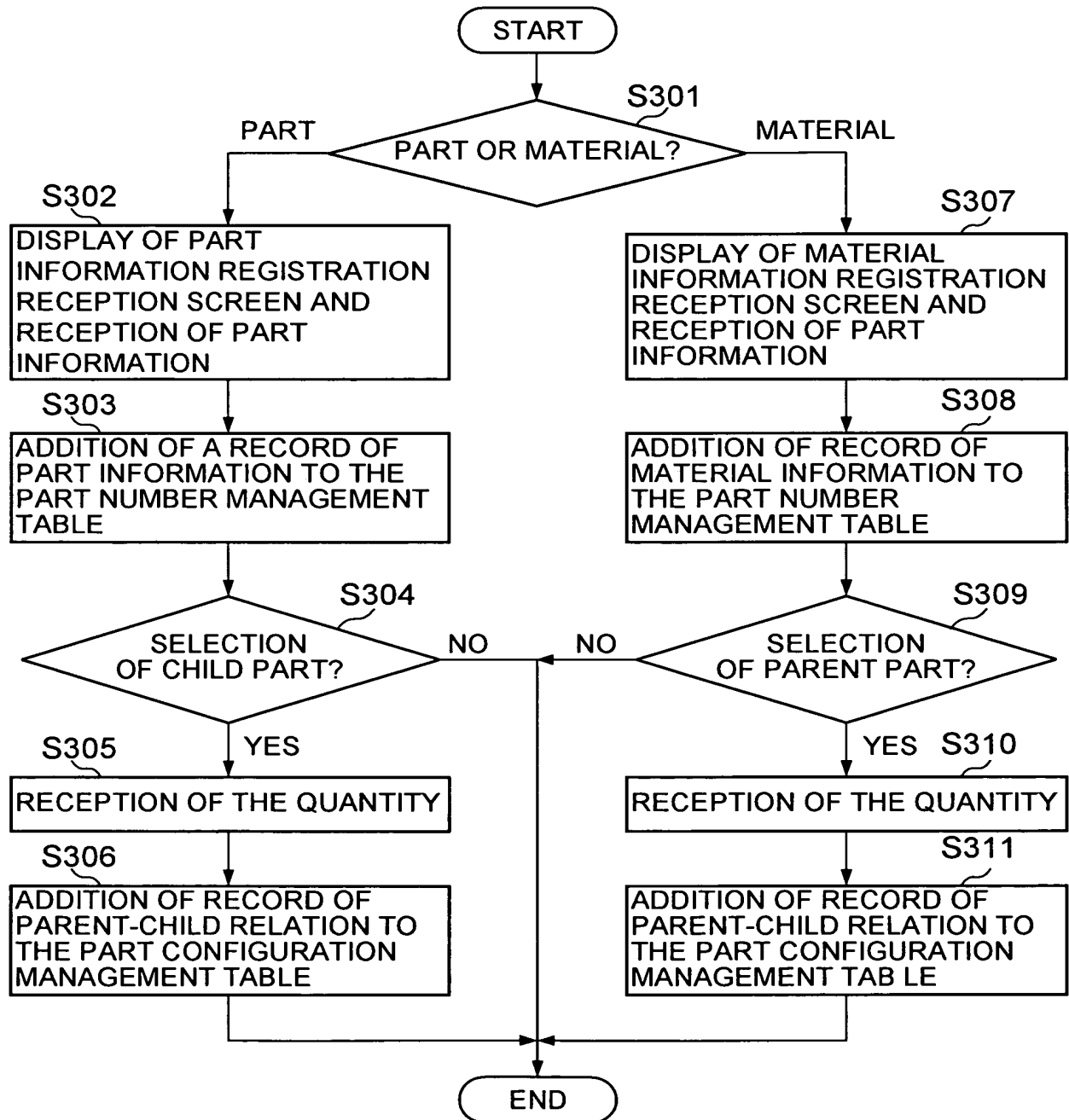


FIG. 13

## PROCESS INFORMATION REGISTRATION PROCESSING

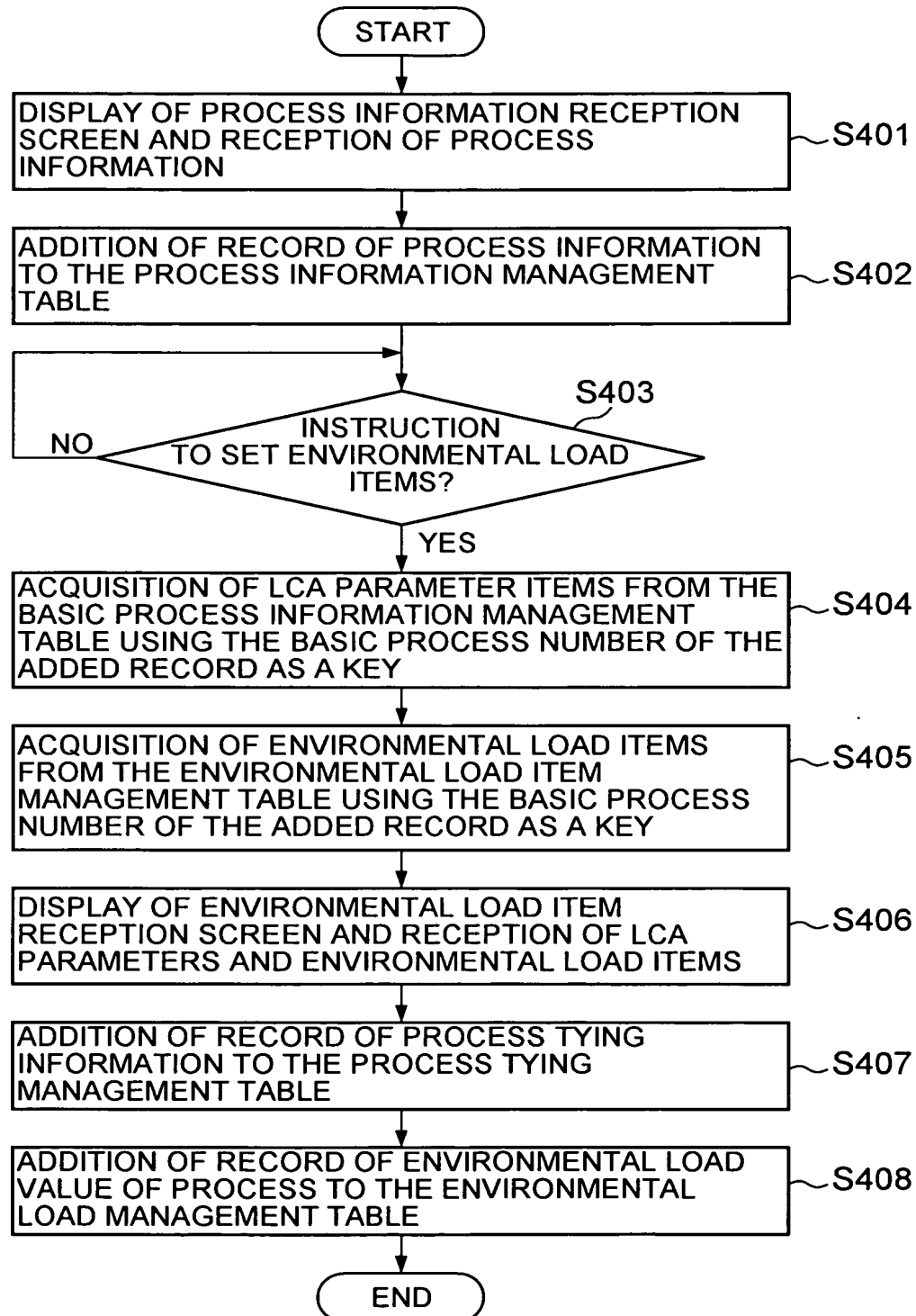


FIG. 14

1031 PROCESS INFORMATION RECEPTION SCREEN

•SELECTION OF BASIC PROCESS

LARGE CLASSIFICATION	MIDDLE CLASSIFICATION	SMALL CLASSIFICATION	MINIMUM UNIT
SURFACE TREATMENT ▼	PAINTING PROCESS ▼	RESIN PAINTING ▼	- ▼
10311	10312	10313	10314

•PROCESS NUMBER INPUT  ~1032

•PROCESS NAME INPUT  ~1033

•DISCLOSURE LEVEL INPUT  ~1034

1035

1036

FIG. 15

ENVIRONMENTAL LOAD ITEM RECEPTION SCREEN

•PROCESS NAME: RESIN PAINTING

•LCA PARAMETER\*\*\*  mm

•LCA PARAMETER\*\*\*  mm<sup>2</sup>

•LCA PARAMETER\*\*\*  Kg/mm<sup>3</sup>

1037

•ENVIRONMENTAL LOAD ITEMS

1038

CLASSIFICATION	ENVIRONMENTAL LOAD ITEM NAME	QUANTITY	UNIT	▲
INPUT	ELECTRIC POWER	10	kW	
INPUT	WATER	15	kg	
INPUT	LPG	0	kg	
DISCHARGE	CO <sub>2</sub>	6.2	kg	
DISCHARGE	NO <sub>x</sub>	1.75	kg	
DISCHARGE	SO <sub>x</sub>	0.5	kg	

▼

## FIG. 16

## ENVIRONMENTAL LOAD DISPLAY/AGGREGATION PROCESSING

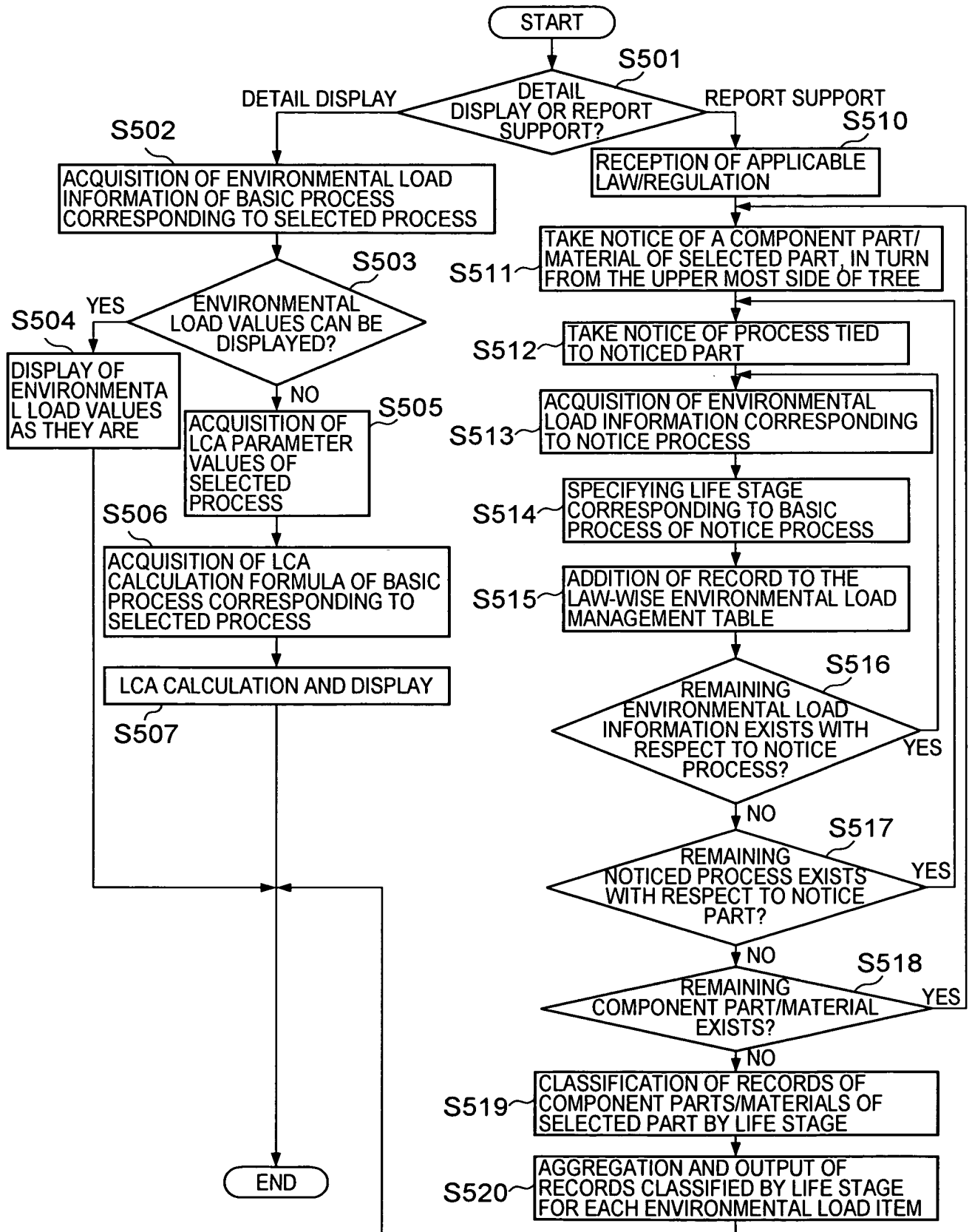


FIG. 17

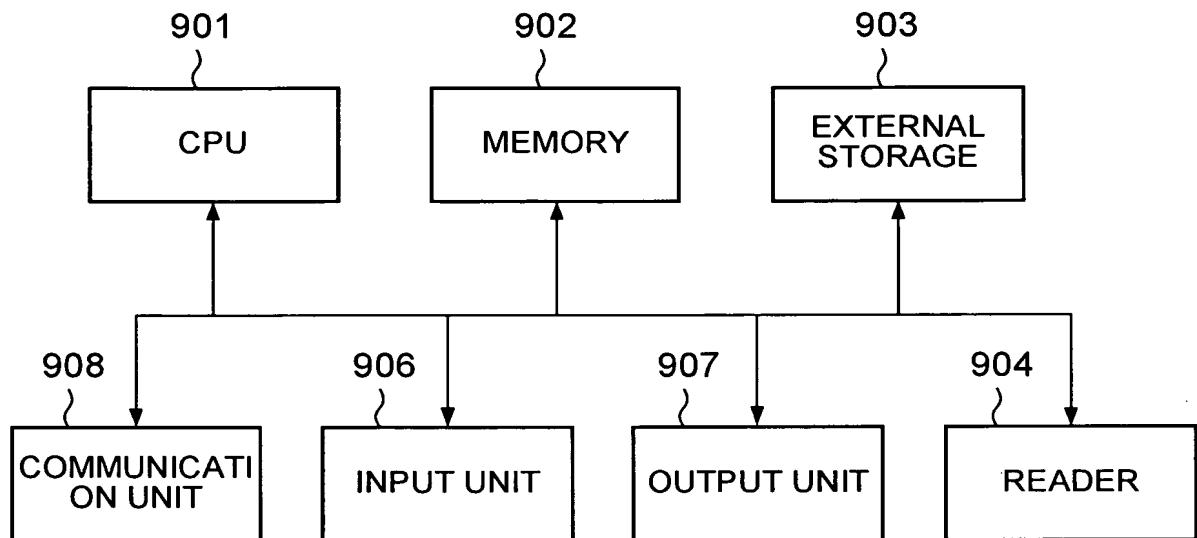




FIG. 18

(A) PROCESS NUMBER MANAGEMENT TABLE 2041A

20411	20414	20415
COMPANY NUMBER	DISCLOSURE LEVEL	BASIC PROCESS NUMBER
CO-A-0001	1	A020000000
CO-B-0001	2	A020010100
CO-C-0001	2	A010010100
CO-C-0001	3	A010010200
⋮	⋮	⋮
⋮	⋮	⋮

(B) PROCESS TYING MANAGEMENT TABLE 2042A

20421	20422	20426	20425
COMPANY NUMBER	TIED PART PART/MATERIAL NUMBER	BASIC PROCESS NUMBER	LCA PARAMETER
CO-A-0001	AA-8S-C001	A020000000	NON-EXISTENT
CO-B-0001	AA-8S2-A017	A020010100	NON-EXISTENT
CO-C-0001	AA-8S2-024	A010010100	NON-EXISTENT
CO-C-0001	AA-8S2-024	A010010200	NON-EXISTENT
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG. 19

ENVIRONMENTAL LOAD MANAGEMENT TABLE 2052A

20521	20526	20523	20524	20525
COMPANY NUMBER	BASIC PROCESS NUMBER	ENVIRONMENTAL LOAD ITEM	QUANTITY	INPUT/DISCHARGE CLASSIFICATION
CO-C-0001	A010010100	WATER	15	INPUT
CO-C-0001	A010010100	ELECTRIC POWER	10	INPUT
CO-C-0001	A010010100	LPG	0	INPUT
CO-C-0001	A010010100	CO <sub>2</sub>	6.2	DISCHARGE
CO-C-0001	A010010100	NO <sub>x</sub>	1.75	DISCHARGE
CO-C-0001	A010010100	SO <sub>x</sub>	0.5	DISCHARGE
:	:	:	:	:
:	:	:	:	:

FIG. 20

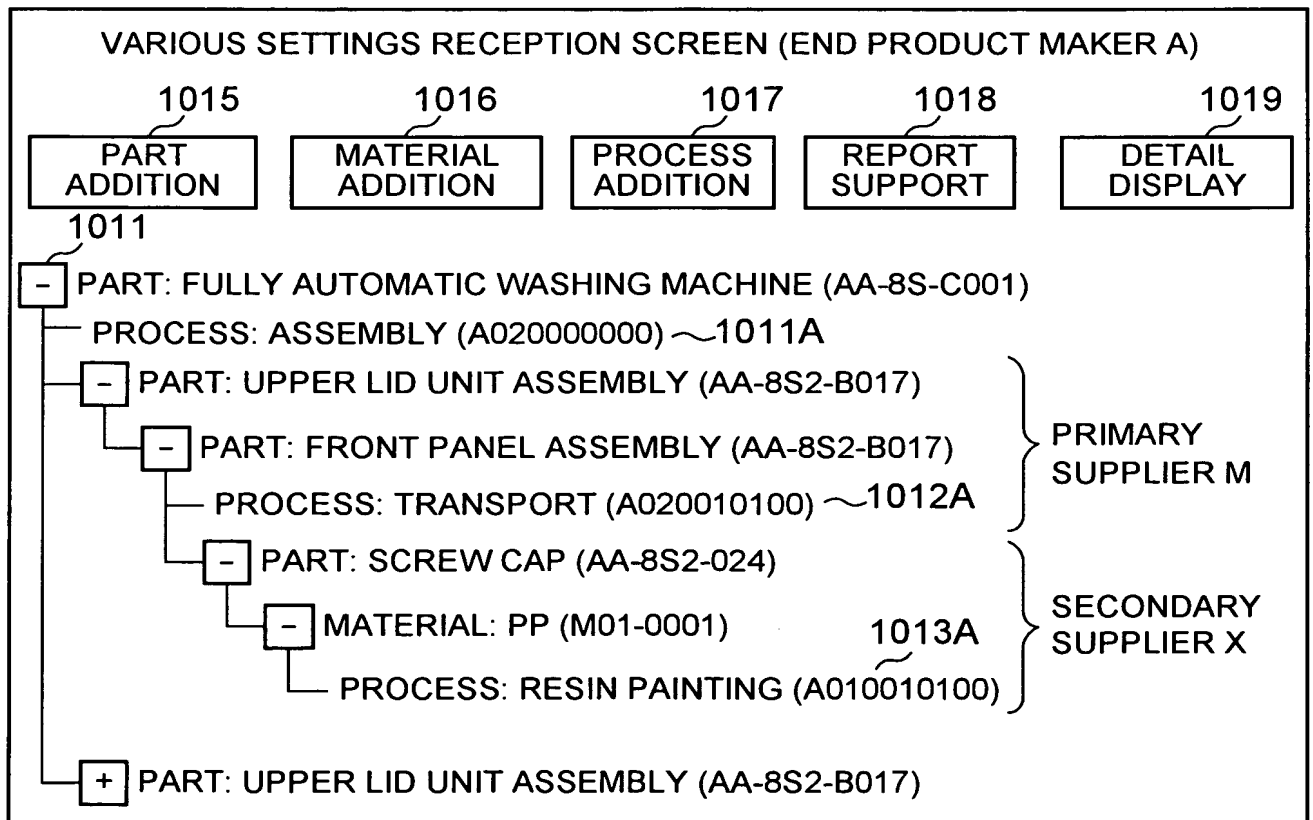


FIG. 21

1031 PROCESS INFORMATION RECEPTION SCREEN

•BASIC PROCESS SELECTION

LARGE CLASSIFICATION	MIDDLE CLASSIFICATION	SMALL CLASSIFICATION	MINIMUM UNIT
SURFACE TREATMENT ▼	PAINTING PROCESS ▼	RESIN PAINTING ▼	- ▼
10311	10312	10313	10314

•DISCLOSURE LEVEL INPUT  1034

1035 REGISTRATION

1036 ENVIRONMENTAL LOAD ITEM SETTING

FIG. 22

1037A ENVIRONMENTAL LOAD ITEM RECEPTION SCREEN

•BASIC PROCESS NAME: RESIN PAINTING

•BASIC PROCESS NUMBER: A010010000

•LCA PARAMETER\*\*\*  mm

•LCA PARAMETER\*\*\*  mm<sup>2</sup>

•LCA PARAMETER\*\*\*  Kg/mm<sup>3</sup>

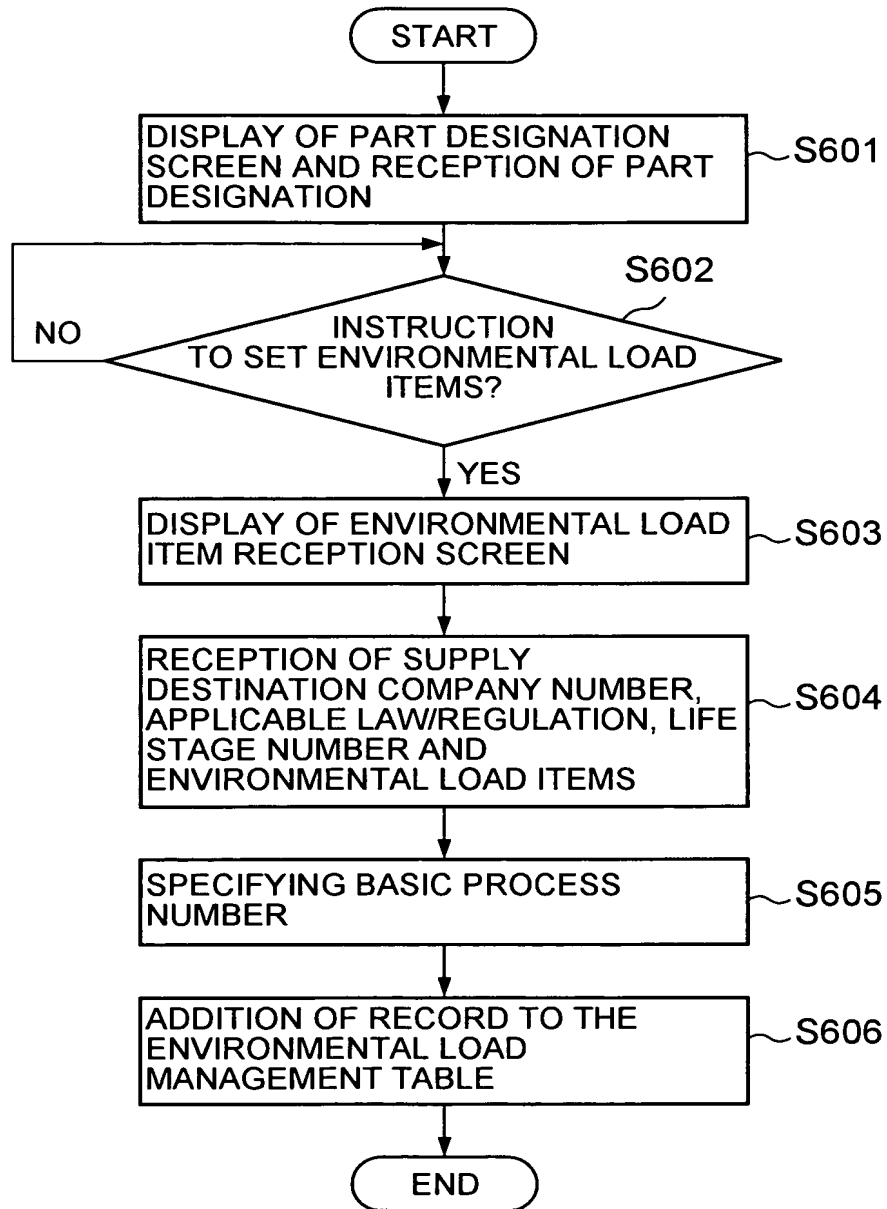
1037B

1037

•ENVIRONMENTAL LOAD ITEMS 1038

CLASSIFICATION	ENVIRONMENTAL LOAD ITEM NAME	QUANTITY	UNIT	▲
INPUT	ELECTRIC POWER	10	kW	
INPUT	WATER	15	kg	
INPUT	LPG	0	kg	
DISCHARGE	CO <sub>2</sub>	6.2	kg	
DISCHARGE	NO <sub>x</sub>	1.75	kg	
DISCHARGE	SO <sub>x</sub>	0.5	kg	

▼

**FIG. 23****PART ENVIRONMENTAL LOAD REGISTRATION PROCESSING**

21 / 21  
FIG. 24

**PART DESIGNATION SCREEN**

☒ DIRECT DESIGNATION OF PART ~ 1021

COMPANY NUMBER

PART/MATERIAL NUMBER

PART NAME

1022

☐ SEARCH AND DESIGNATION OF PART ~ 1023

COMPANY NUMBER

PART/MATERIAL NUMBER

PART NAME

1024

1026

1025 ~

FIG. 25

**ENVIRONMENTAL LOAD ITEM RECEPTION SCREEN** 1027

PART NAME: UPPER LID UNIT ASSEMBLY PART NUMBER: AA-8S2-B01 PROCESS NAME: RESIN PAINTING

• SUPPLY DESTINATION COMPANY NUMBER

• APPLICABLE LAW/REGULATION

• LIFE STAGE NUMBER

• ENVIRONMENTAL LOAD ITEMS 1029

CLASSIFICATION	ENVIRONMENTAL LOAD ITEM NAME	QUANTITY	UNIT	▲
INPUT	ELECTRIC POWER	10	kW	
INPUT	WATER	15	kg	
INPUT	LPG	0	kg	
DISCHARGE	CO <sub>2</sub>	6.2	kg	
DISCHARGE	NO <sub>x</sub>	1.75	kg	
DISCHARGE	SO <sub>x</sub>	0.5	kg	

▼